

## EAST Search History

| Ref # | Hits | Search Query   | DBs                  | Default Operator | Plurals | Time Stamp       |
|-------|------|--|----------------------|------------------|---------|------------------|
| L2    | 79   | (binary executable driver software) near5 download\$3 with smart adj card  | US-PGPUB; USPAT; EPO | OR               | ON      | 2006/12/05 20:48 |
| L3    | 1    | (binary executable driver software) near5 download\$3 with smart adj card and first adj signature and second adj signature | US-PGPUB; USPAT; EPO | OR               | ON      | 2006/12/05 20:49 |
| L4    | 4    | (binary executable driver software) near5 download\$3 and smart adj card and first adj signature and second adj signature  | US-PGPUB; USPAT; EPO | OR               | ON      | 2006/12/05 20:50 |
| L5    | 6    | (binary executable driver software) with smart adj card and first adj signature and second adj signature                   | US-PGPUB; USPAT; EPO | OR               | ON      | 2006/12/05 20:54 |
| L6    | 0    | (wireless mobile cell) with (binary executable driver software) with download\$3 with smart adj card with signature        | US-PGPUB; USPAT; EPO | OR               | ON      | 2006/12/05 20:56 |
| L7    | 114  | (wireless mobile cell) with (binary executable driver software) with download\$3 and smart adj card and signature          | US-PGPUB; USPAT; EPO | OR               | ON      | 2006/12/05 20:56 |
| L8    | 2    | (wireless mobile cell) with (binary executable driver software) with download\$3 with smart adj card and signature         | US-PGPUB; USPAT; EPO | OR               | ON      | 2006/12/05 21:01 |
| L9    | 70   | (wireless mobile cell) with (binary executable driver software) with smart adj card and signature                          | US-PGPUB; USPAT; EPO | OR               | ON      | 2006/12/05 21:01 |
| L10   | 1    | (wireless mobile cell) with (binary executable driver software) with smart adj card with signature                         | US-PGPUB; USPAT; EPO | OR               | ON      | 2006/12/05 21:01 |

## EAST Search History

|     |        |   |                            |    |    |                  |
|-----|--------|---|----------------------------|----|----|------------------|
| S1  | 49     | ("6367009" "6393569" "6185678"<br>"5644354" "6084969" "5754659"<br>"6424718" "6880079" "6263437"<br>"6314521" "6385728" "4423287"<br>"5745576" "5761306" "6240187"<br>"4965827" "6892301" "5903721"<br>"6115817" "5805676" "5987103"<br>"6070154" "5805204" "6427161"<br>"6438600" "6317592" "4613901"<br>"6026166" "6026293" "6049796"<br>"6445797" "6711679" "5923756"<br>"6198824" "6154543" "6163841"<br>"6209093" "6189100" "6061791"<br>"6061791" "6098056" "6148405"<br>"5237614" "5506961" "5542046"<br>"5818936" "6028938" "6230272"<br>"6292895" "6643701").pn. | USPAT                      | OR | ON | 2005/06/23 13:16 |
| S2  | 13     | S1 and binary   | USPAT                      | OR | ON | 2005/06/23 13:19 |
| S3  | 0      | S1 and binary and firmware  | USPAT                      | OR | ON | 2005/06/23 13:19 |
| S4  | 8      | S1 and binary and firmware  | USPAT                      | OR | ON | 2005/06/23 14:42 |
| S5  | 1      | token adj based with sign\$3 with<br>binary and firmware  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2005/06/23 15:01 |
| S6  | 0      | token adj based with authenticat\$3<br>with binary and firmware   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2005/06/23 15:01 |
| S7  | 0      | token adj based with authenticat\$3<br>with binary  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2005/06/23 15:02 |
| S8  | 1      | token adj based with sign\$3 with<br>binary   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/20 18:24 |
| S9  | 232710 | token adj based with authenticat\$3<br>ant binary   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2005/06/23 15:02 |
| S10 | 35     | token adj based with authenticat\$3<br>and binary   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2005/06/26 12:32 |
| S11 | 24     | token adj based with authenticat\$3<br>and binary and smart   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2005/06/23 15:02 |
| S12 | 1      | 10/044879 and Bender  | US-PGPUB                   | OR | ON | 2005/06/24 17:58 |
| S13 | 26     | token adj based with authenticat\$3<br>and binary and signature   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/19 19:27 |
| S14 | 1      | token adj based with authenticat\$3<br>and binary and compar\$3 adj<br>signature  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2005/06/26 12:35 |

## EAST Search History

|     |         |  |                                |    |    |                  |
|-----|---------|--|--------------------------------|----|----|------------------|
| S15 | 3712445 | first signature with second adj signature  | US-PGPUB;<br>USPAT;<br>EPO     | OR | ON | 2005/06/26 12:35 |
| S16 | 411     | first adj signature with second adj signature  | US-PGPUB;<br>USPAT;<br>EPO     | OR | ON | 2005/06/26 12:35 |
| S17 | 2       | first adj signature with second adj signature with compar\$3 adj signature   | US-PGPUB;<br>USPAT;<br>EPO     | OR | ON | 2005/06/26 12:37 |
| S18 | 87      | first adj signature with second adj signature and compar\$3 adj signature  | US-PGPUB;<br>USPAT;<br>EPO     | OR | ON | 2005/06/26 12:38 |
| S19 | 3       | first adj signature with second adj signature and compar\$3 adj signature and( executable binary) and smart and hash | US-PGPUB;<br>USPAT;<br>EPO     | OR | ON | 2005/06/26 12:39 |
| S20 | 2       | "20020152385"  | US-PGPUB;<br>USPAT;<br>DERWENT | OR | ON | 2006/01/20 17:55 |
| S21 | 1       | token adj based with sign\$3 with binary   | US-PGPUB;<br>USPAT;<br>EPO     | OR | ON | 2006/01/20 18:24 |
| S22 | 27      | token adj based with authenticat\$3 and binary and signature   | US-PGPUB;<br>USPAT;<br>EPO     | OR | ON | 2006/01/20 18:50 |
| S23 | 0       | token adj based with authenticat\$3 and binary with signature  | US-PGPUB;<br>USPAT;<br>EPO     | OR | ON | 2006/01/20 18:27 |
| S24 | 0       | token adj based with authenticat\$3 and binary near5 signature   | US-PGPUB;<br>USPAT;<br>EPO     | OR | ON | 2006/01/20 18:27 |
| S25 | 3       | token adj based with authenticat\$3.ti.  | US-PGPUB;<br>USPAT;<br>EPO     | OR | ON | 2006/01/20 19:05 |
| S26 | 4       | token adj based with authenticat\$3 and (software binary) adj installation   | US-PGPUB;<br>USPAT;<br>EPO     | OR | ON | 2006/01/20 19:09 |
| S27 | 111     | token adj based with authenticat\$3  | US-PGPUB;<br>USPAT;<br>EPO     | OR | ON | 2006/01/20 19:09 |

## EAST Search History

|     |        |   |                            |    |    |                  |
|-----|--------|---|----------------------------|----|----|------------------|
| S28 | 49     | ("6367009" "6393569" "6185678"<br>"5644354" "6084969" "5754659"<br>"6424718" "6880079" "6263437"<br>"6314521" "6385728" "4423287"<br>"5745576" "5761306" "6240187"<br>"4965827" "6892301" "5903721"<br>"6115817" "5805676" "5987103"<br>"6070154" "5805204" "6427161"<br>"6438600" "6317592" "4613901"<br>"6026166" "6026293" "6049796"<br>"6445797" "6711679" "5923756"<br>"6198824" "6154543" "6163841"<br>"6209093" "6189100" "6061791"<br>"6061791" "6098056" "6148405"<br>"5237614" "5506961" "5542046"<br>"5818936" "6028938" "6230272"<br>"6292895" "6643701").pn. | USPAT                      | OR | ON | 2006/01/20 20:12 |
| S29 | 13     | S28 and binary  | USPAT                      | OR | ON | 2006/01/20 20:12 |
| S30 | 0      | S28 and binary and firmware   | USPAT                      | OR | ON | 2006/01/20 20:12 |
| S31 | 8      | S28 and binary and firmware   | USPAT                      | OR | ON | 2006/01/20 20:12 |
| S32 | 1      | token adj based with sign\$3 with<br>binary and firmware  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/20 20:12 |
| S33 | 0      | token adj based with authenticat\$3<br>with binary and firmware   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/20 20:12 |
| S34 | 0      | token adj based with authenticat\$3<br>with binary  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/20 20:12 |
| S35 | 1      | token adj based with sign\$3 with<br>binary   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/20 20:12 |
| S36 | 249377 | token adj based with authenticat\$3<br>ant binary   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/20 20:12 |
| S37 | 38     | token adj based with authenticat\$3<br>and binary   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/20 20:12 |
| S38 | 27     | token adj based with authenticat\$3<br>and binary and smart   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/20 20:12 |
| S39 | 1      | 10/044879 and Bender  | US-PGPUB                   | OR | ON | 2006/01/20 20:12 |
| S40 | 27     | token adj based with authenticat\$3<br>and binary and signature   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/20 20:12 |
| S41 | 1      | token adj based with authenticat\$3<br>and binary and compar\$3 adj<br>signature  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/20 20:12 |

## EAST Search History

|     |         |   |                            |    |    |                  |
|-----|---------|---|----------------------------|----|----|------------------|
| S42 | 3938538 | first signature with second adj signature   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/20 20:12 |
| S43 | 446     | first adj signature with second adj signature   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/20 20:12 |
| S44 | 2       | first adj signature with second adj signature with compar\$3 adj signature  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/20 20:12 |
| S45 | 95      | first adj signature with second adj signature and compar\$3 adj signature   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/20 20:12 |
| S46 | 3       | first adj signature with second adj signature and compar\$3 adj signature and( executable binary) and smart and hash  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/20 20:12 |
| S47 | 49      | ("6367009" "6393569" "6185678" "5644354" "6084969" "5754659" "6424718" "6880079" "6263437" "6314521" "6385728" "4423287" "5745576" "5761306" "6240187" "4965827" "6892301" "5903721" "6115817" "5805676" "5987103" "6070154" "5805204" "6427161" "6438600" "6317592" "4613901" "6026166" "6026293" "6049796" "6445797" "6711679" "5923756" "6198824" "6154543" "6163841" "6209093" "6189100" "6061791" "6061791" "6098056" "6148405" "5237614" "5506961" "5542046" "5818936" "6028938" "6230272" "6292895" "6643701").pn. | USPAT                      | OR | ON | 2006/01/20 20:13 |
| S48 | 13      | S28 and binary  | USPAT                      | OR | ON | 2006/01/20 20:13 |
| S49 | 0       | S28 and binary and frimware   | USPAT                      | OR | ON | 2006/01/20 20:13 |
| S50 | 8       | S28 and binary and firmware   | USPAT                      | OR | ON | 2006/01/20 20:13 |
| S51 | 1       | token adj based with sign\$3 with binary and firmware   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/20 20:13 |
| S52 | 0       | token adj based with authenticat\$3 with binary and firmware  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/20 20:13 |
| S53 | 0       | token adj based with authenticat\$3 with binary   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/20 20:13 |
| S54 | 1       | token adj based with sign\$3 with binary  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/20 20:13 |

## EAST Search History

|     |         |   |                            |    |    |                  |
|-----|---------|---|----------------------------|----|----|------------------|
| S55 | 249377  | token adj based with authenticat\$3<br>ant binary   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/20 20:13 |
| S56 | 38      | token adj based with authenticat\$3<br>and binary   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/20 20:13 |
| S57 | 27      | token adj based with authenticat\$3<br>and binary and smart   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/20 20:13 |
| S58 | 1       | 10/044879 and Bender  | US-PGPUB                   | OR | ON | 2006/01/20 20:13 |
| S59 | 27      | token adj based with authenticat\$3<br>and binary and signature   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/20 20:13 |
| S60 | 1       | token adj based with authenticat\$3<br>and binary and compar\$3 adj<br>signature  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/20 20:13 |
| S61 | 3938538 | first signature with second adj<br>signature  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/20 20:13 |
| S62 | 446     | first adj signature with second adj<br>signature  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/20 20:13 |
| S63 | 2       | first adj signature with second adj<br>signature with compar\$3 adj signature   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/20 20:13 |
| S64 | 95      | first adj signature with second adj<br>signature and compar\$3 adj signature  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/20 20:13 |
| S65 | 3       | first adj signature with second adj<br>signature and compar\$3 adj signature<br>and( executable binary) and smart<br>and hash   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/20 20:13 |
| S66 | 49      | ("6367009" "6393569" "6185678"<br>"5644354" "6084969" "5754659"<br>"6424718" "6880079" "6263437"<br>"6314521" "6385728" "4423287"<br>"5745576" "5761306" "6240187"<br>"4965827" "6892301" "5903721"<br>"6115817" "5805676" "5987103"<br>"6070154" "5805204" "6427161"<br>"6438600" "6317592" "4613901"<br>"6026166" "6026293" "6049796"<br>"6445797" "6711679" "5923756"<br>"6198824" "6154543" "6163841"<br>"6209093" "6189100" "6061791"<br>"6061791" "6098056" "6148405"<br>"5237614" "5506961" "5542046"<br>"5818936" "6028938" "6230272"<br>"6292895" "6643701").pn. | USPAT                      | OR | ON | 2006/01/22 20:46 |

## EAST Search History

|     |         |  |                      |    |    |                  |
|-----|---------|--|----------------------|----|----|------------------|
| S67 | 13      | S66 and binary   | USPAT                | OR | ON | 2006/01/22 20:46 |
| S68 | 0       | S66 and binary and firmware  | USPAT                | OR | ON | 2006/01/22 20:46 |
| S69 | 8       | S66 and binary and firmware  | USPAT                | OR | ON | 2006/01/22 20:46 |
| S70 | 1       | token adj based with sign\$3 with binary and firmware  | US-PGPUB; USPAT; EPO | OR | ON | 2006/01/22 20:46 |
| S71 | 0       | token adj based with authenticat\$3 with binary and firmware   | US-PGPUB; USPAT; EPO | OR | ON | 2006/01/22 20:46 |
| S72 | 0       | token adj based with authenticat\$3 with binary  | US-PGPUB; USPAT; EPO | OR | ON | 2006/01/22 20:46 |
| S74 | 249377  | token adj based with authenticat\$3 ant binary   | US-PGPUB; USPAT; EPO | OR | ON | 2006/01/22 20:46 |
| S75 | 38      | token adj based with authenticat\$3 and binary   | US-PGPUB; USPAT; EPO | OR | ON | 2006/01/22 20:46 |
| S76 | 27      | token adj based with authenticat\$3 and binary and smart   | US-PGPUB; USPAT; EPO | OR | ON | 2006/01/22 20:46 |
| S77 | 1       | 10/044879 and Bender   | US-PGPUB             | OR | ON | 2006/01/22 20:46 |
| S78 | 27      | token adj based with authenticat\$3 and binary and signature   | US-PGPUB; USPAT; EPO | OR | ON | 2006/01/22 20:46 |
| S79 | 1       | token adj based with authenticat\$3 and binary and compar\$3 adj signature   | US-PGPUB; USPAT; EPO | OR | ON | 2006/01/22 20:46 |
| S80 | 3938538 | first signature with second adj signature  | US-PGPUB; USPAT; EPO | OR | ON | 2006/01/22 20:46 |
| S81 | 446     | first adj signature with second adj signature  | US-PGPUB; USPAT; EPO | OR | ON | 2006/01/22 20:46 |
| S82 | 2       | first adj signature with second adj signature with compar\$3 adj signature   | US-PGPUB; USPAT; EPO | OR | ON | 2006/01/22 20:46 |
| S83 | 95      | first adj signature with second adj signature and compar\$3 adj signature  | US-PGPUB; USPAT; EPO | OR | ON | 2006/01/22 20:46 |
| S84 | 3       | first adj signature with second adj signature and compar\$3 adj signature and( executable binary) and smart and hash | US-PGPUB; USPAT; EPO | OR | ON | 2006/01/22 20:46 |

## EAST Search History

|     |     |   |                                |    |    |                  |
|-----|-----|---|--------------------------------|----|----|------------------|
| S85 | 2   | "20020152385"   | US-PGPUB;<br>USPAT;<br>DERWENT | OR | ON | 2006/01/22 20:46 |
| S86 | 1   | token adj based with sign\$3 with binary  | US-PGPUB;<br>USPAT;<br>EPO     | OR | ON | 2006/01/22 20:46 |
| S87 | 27  | token adj based with authenticat\$3 and binary and signature  | US-PGPUB;<br>USPAT;<br>EPO     | OR | ON | 2006/01/22 20:46 |
| S88 | 0   | token adj based with authenticat\$3 and binary with signature   | US-PGPUB;<br>USPAT;<br>EPO     | OR | ON | 2006/01/22 20:46 |
| S89 | 0   | token adj based with authenticat\$3 and binary near5 signature  | US-PGPUB;<br>USPAT;<br>EPO     | OR | ON | 2006/01/22 20:46 |
| S90 | 3   | token adj based with authenticat\$3.ti.   | US-PGPUB;<br>USPAT;<br>EPO     | OR | ON | 2006/01/22 20:46 |
| S91 | 4   | token adj based with authenticat\$3 and (software binary) adj installation  | US-PGPUB;<br>USPAT;<br>EPO     | OR | ON | 2006/01/22 20:46 |
| S92 | 111 | token adj based with authenticat\$3   | US-PGPUB;<br>USPAT;<br>EPO     | OR | ON | 2006/01/22 20:46 |
| S93 | 49  | ("6367009" "6393569" "6185678" "5644354" "6084969" "5754659" "6424718" "6880079" "6263437" "6314521" "6385728" "4423287" "5745576" "5761306" "6240187" "4965827" "6892301" "5903721" "6115817" "5805676" "5987103" "6070154" "5805204" "6427161" "6438600" "6317592" "4613901" "6026166" "6026293" "6049796" "6445797" "6711679" "5923756" "6198824" "6154543" "6163841" "6209093" "6189100" "6061791" "6061791" "6098056" "6148405" "5237614" "5506961" "5542046" "5818936" "6028938" "6230272" "6292895" "6643701").pn. | USPAT                          | OR | ON | 2006/01/22 20:46 |
| S94 | 0   | S93 and binary and frimware   | USPAT                          | OR | ON | 2006/01/22 20:46 |
| S95 | 0   | token adj based with authenticat\$3 with binary and firmware  | US-PGPUB;<br>USPAT;<br>EPO     | OR | ON | 2006/01/22 20:46 |
| S96 | 0   | token adj based with authenticat\$3 with binary   | US-PGPUB;<br>USPAT;<br>EPO     | OR | ON | 2006/01/22 20:46 |



## EAST Search History

|      |         |   |                            |    |    |                  |
|------|---------|---|----------------------------|----|----|------------------|
| S97  | 1       | token adj based with sign\$3 with binary  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/22 20:46 |
| S98  | 249377  | token adj based with authenticat\$3 ant binary  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/22 20:46 |
| S99  | 38      | token adj based with authenticat\$3 and binary  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/22 20:46 |
| S100 | 27      | token adj based with authenticat\$3 and binary and signature  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/22 20:46 |
| S101 | 3938538 | first signature with second adj signature   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/22 20:46 |
| S102 | 446     | first adj signature with second adj signature   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/22 20:46 |
| S103 | 95      | first adj signature with second adj signature and compar\$3 adj signature   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/22 20:46 |
| S104 | 1       | token adj based with sign\$3 with binary and firmware   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/22 20:46 |
| S105 | 1       | 10/044879 and Bender  | US-PGPUB                   | OR | ON | 2006/01/22 20:46 |
| S106 | 1       | token adj based with authenticat\$3 and binary and compar\$3 adj signature  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/22 20:46 |
| S107 | 49      | ("6367009" "6393569" "6185678" "5644354" "6084969" "5754659" "6424718" "6880079" "6263437" "6314521" "6385728" "4423287" "5745576" "5761306" "6240187" "4965827" "6892301" "5903721" "6115817" "5805676" "5987103" "6070154" "5805204" "6427161" "6438600" "6317592" "4613901" "6026166" "6026293" "6049796" "6445797" "6711679" "5923756" "6198824" "6154543" "6163841" "6209093" "6189100" "6061791" "6061791" "6098056" "6148405" "5237614" "5506961" "5542046" "5818936" "6028938" "6230272" "6292895" "6643701").pn. | USPAT                      | OR | ON | 2006/01/22 20:46 |
| S108 | 13      | S93 and binary  | USPAT                      | OR | ON | 2006/01/22 20:46 |

## EAST Search History

|      |         |  |                            |    |    |                  |
|------|---------|--|----------------------------|----|----|------------------|
| S109 | 8       | S93 and binary and firmware  | USPAT                      | OR | ON | 2006/01/22 20:46 |
| S110 | 27      | token adj based with authenticat\$3 and binary and smart   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/22 20:46 |
| S111 | 2       | first adj signature with second adj signature with compar\$3 adj signature   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/22 20:46 |
| S112 | 3       | first adj signature with second adj signature and compar\$3 adj signature and( executable binary) and smart and hash | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/22 20:46 |
| S113 | 0       | S93 and binary and frimware  | USPAT                      | OR | ON | 2006/01/22 20:46 |
| S114 | 0       | token adj based with authenticat\$3 with binary and firmware   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/22 20:46 |
| S115 | 0       | token adj based with authenticat\$3 with binary  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/22 20:46 |
| S116 | 1       | token adj based with sign\$3 with binary   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/22 20:46 |
| S117 | 249377  | token adj based with authenticat\$3 ant binary   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/22 20:46 |
| S118 | 38      | token adj based with authenticat\$3 and binary   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/22 20:46 |
| S119 | 27      | token adj based with authenticat\$3 and binary and signature   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/22 20:46 |
| S120 | 3938538 | first signature with second adj signature  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/22 20:46 |
| S121 | 446     | first adj signature with second adj signature  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/22 20:46 |
| S122 | 95      | first adj signature with second adj signature and compar\$3 adj signature  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/22 20:46 |
| S123 | 1       | token adj based with sign\$3 with binary and firmware  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/22 20:46 |
| S124 | 1       | 10/044879 and Bender   | US-PGPUB                   | OR | ON | 2006/01/22 20:46 |

## EAST Search History

|          |    |   |                            |    |    |                  |
|----------|----|---|----------------------------|----|----|------------------|
| S12<br>5 | 1  | token adj based with authenticat\$3<br>and binary and compar\$3 adj<br>signature  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/22 20:46 |
| S12<br>6 | 49 | ("6367009" "6393569" "6185678"<br>"5644354" "6084969" "5754659"<br>"6424718" "6880079" "6263437"<br>"6314521" "6385728" "4423287"<br>"5745576" "5761306" "6240187"<br>"4965827" "6892301" "5903721"<br>"6115817" "5805676" "5987103"<br>"6070154" "5805204" "6427161"<br>"6438600" "6317592" "4613901"<br>"6026166" "6026293" "6049796"<br>"6445797" "6711679" "5923756"<br>"6198824" "6154543" "6163841"<br>"6209093" "6189100" "6061791"<br>"6061791" "6098056" "6148405"<br>"5237614" "5506961" "5542046"<br>"5818936" "6028938" "6230272"<br>"6292895" "6643701").pn. | USPAT                      | OR | ON | 2006/01/22 20:46 |
| S12<br>7 | 13 | S93 and binary  | USPAT                      | OR | ON | 2006/01/22 20:46 |
| S12<br>8 | 8  | S93 and binary and firmware   | USPAT                      | OR | ON | 2006/01/22 20:46 |
| S12<br>9 | 27 | token adj based with authenticat\$3<br>and binary and smart   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/22 20:46 |
| S13<br>0 | 2  | first adj signature with second adj<br>signature with compar\$3 adj signature   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/22 20:46 |
| S13<br>1 | 3  | first adj signature with second adj<br>signature and compar\$3 adj signature<br>and( executable binary) and smart<br>and hash   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/01/22 20:46 |
| S13<br>2 | 49 | ("6367009" "6393569" "6185678"<br>"5644354" "6084969" "5754659"<br>"6424718" "6880079" "6263437"<br>"6314521" "6385728" "4423287"<br>"5745576" "5761306" "6240187"<br>"4965827" "6892301" "5903721"<br>"6115817" "5805676" "5987103"<br>"6070154" "5805204" "6427161"<br>"6438600" "6317592" "4613901"<br>"6026166" "6026293" "6049796"<br>"6445797" "6711679" "5923756"<br>"6198824" "6154543" "6163841"<br>"6209093" "6189100" "6061791"<br>"6061791" "6098056" "6148405"<br>"5237614" "5506961" "5542046"<br>"5818936" "6028938" "6230272"<br>"6292895" "6643701").pn. | USPAT                      | OR | ON | 2006/07/18 19:31 |

## EAST Search History

|          |         |  |                            |    |    |                  |
|----------|---------|--|----------------------------|----|----|------------------|
| S13<br>3 | 13      | S132 and binary  | USPAT                      | OR | ON | 2006/07/18 19:31 |
| S13<br>4 | 0       | S132 and binary and firmware   | USPAT                      | OR | ON | 2006/07/18 19:31 |
| S13<br>5 | 8       | S132 and binary and firmware   | USPAT                      | OR | ON | 2006/07/18 19:31 |
| S13<br>6 | 1       | token adj based with sign\$3 with binary and firmware                      | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S13<br>7 | 0       | token adj based with authenticat\$3 with binary and firmware               | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S13<br>8 | 0       | token adj based with authenticat\$3 with binary                            | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S13<br>9 | 1       | token adj based with sign\$3 with binary                                   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:56 |
| S14<br>0 | 265530  | token adj based with authenticat\$3 ant binary                             | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S14<br>1 | 58      | token adj based with authenticat\$3 and binary                             | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S14<br>2 | 40      | token adj based with authenticat\$3 and binary and smart                   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S14<br>3 | 1       | 10/044879 and Bender   | US-PGPUB                   | OR | ON | 2006/07/18 19:31 |
| S14<br>4 | 40      | token adj based with authenticat\$3 and binary and signature               | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S14<br>5 | 1       | token adj based with authenticat\$3 and binary and compar\$3 adj signature | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S14<br>6 | 4147722 | first signature with second adj signature                                  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S14<br>7 | 482     | first adj signature with second adj signature                              | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S14<br>8 | 3       | first adj signature with second adj signature with compar\$3 adj signature | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S14<br>9 | 108     | first adj signature with second adj signature and compar\$3 adj signature  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |

## EAST Search History

|          |     |   |                                |    |    |                  |
|----------|-----|---|--------------------------------|----|----|------------------|
| S15<br>0 | 3   | first adj signature with second adj signature and compar\$3 adj signature and( executable binary) and smart and hash  | US-PGPUB;<br>USPAT;<br>EPO     | OR | ON | 2006/07/18 19:31 |
| S15<br>1 | 3   | "20020152385"   | US-PGPUB;<br>USPAT;<br>DERWENT | OR | ON | 2006/07/18 19:31 |
| S15<br>2 | 1   | token adj based with sign\$3 with binary  | US-PGPUB;<br>USPAT;<br>EPO     | OR | ON | 2006/07/18 19:31 |
| S15<br>3 | 40  | token adj based with authenticat\$3 and binary and signature  | US-PGPUB;<br>USPAT;<br>EPO     | OR | ON | 2006/07/18 19:31 |
| S15<br>4 | 0   | token adj based with authenticat\$3 and binary with signature   | US-PGPUB;<br>USPAT;<br>EPO     | OR | ON | 2006/07/18 19:31 |
| S15<br>5 | 0   | token adj based with authenticat\$3 and binary near5 signature  | US-PGPUB;<br>USPAT;<br>EPO     | OR | ON | 2006/07/18 19:31 |
| S15<br>6 | 3   | token adj based with authenticat\$3.ti.   | US-PGPUB;<br>USPAT;<br>EPO     | OR | ON | 2006/07/18 19:31 |
| S15<br>7 | 11  | token adj based with authenticat\$3 and (software binary) adj installation  | US-PGPUB;<br>USPAT;<br>EPO     | OR | ON | 2006/07/18 19:31 |
| S15<br>8 | 149 | token adj based with authenticat\$3   | US-PGPUB;<br>USPAT;<br>EPO     | OR | ON | 2006/07/18 19:31 |
| S15<br>9 | 49  | ("6367009" "6393569" "6185678" "5644354" "6084969" "5754659" "6424718" "6880079" "6263437" "6314521" "6385728" "4423287" "5745576" "5761306" "6240187" "4965827" "6892301" "5903721" "6115817" "5805676" "5987103" "6070154" "5805204" "6427161" "6438600" "6317592" "4613901" "6026166" "6026293" "6049796" "6445797" "6711679" "5923756" "6198824" "6154543" "6163841" "6209093" "6189100" "6061791" "6061791" "6098056" "6148405" "5237614" "5506961" "5542046" "5818936" "6028938" "6230272" "6292895" "6643701").pn. | USPAT                          | OR | ON | 2006/07/18 19:31 |
| S16<br>0 | 0   | S159 and binary and frimware  | USPAT                          | OR | ON | 2006/07/18 19:31 |

## EAST Search History

|          |         |  |                            |    |    |                  |
|----------|---------|--|----------------------------|----|----|------------------|
| S16<br>1 | 0       | token adj based with authenticat\$3<br>with binary and firmware                  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S16<br>2 | 0       | token adj based with authenticat\$3<br>with binary                               | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S16<br>3 | 1       | token adj based with sign\$3 with<br>binary                                      | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S16<br>4 | 265530  | token adj based with authenticat\$3<br>ant binary                                | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S16<br>5 | 58      | token adj based with authenticat\$3<br>and binary                                | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S16<br>6 | 40      | token adj based with authenticat\$3<br>and binary and signature                  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S16<br>7 | 4147722 | first signature with second adj<br>signature                                     | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S16<br>8 | 482     | first adj signature with second adj<br>signature                                 | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S16<br>9 | 108     | first adj signature with second adj<br>signature and compar\$3 adj signature     | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S17<br>0 | 1       | token adj based with sign\$3 with<br>binary and firmware                         | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S17<br>1 | 1       | 10/044879 and Bender   | US-PGPUB                   | OR | ON | 2006/07/18 19:31 |
| S17<br>2 | 1       | token adj based with authenticat\$3<br>and binary and compar\$3 adj<br>signature | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S17<br>3 | 13      | S159 and binary  | USPAT                      | OR | ON | 2006/07/18 19:31 |
| S17<br>4 | 8       | S159 and binary and firmware   | USPAT                      | OR | ON | 2006/07/18 19:31 |
| S17<br>5 | 40      | token adj based with authenticat\$3<br>and binary and smart                      | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S17<br>6 | 3       | first adj signature with second adj<br>signature with compar\$3 adj signature    | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |

## EAST Search History

|          |         |  |                            |    |    |                  |
|----------|---------|--|----------------------------|----|----|------------------|
| S17<br>7 | 3       | first adj signature with second adj signature and compar\$3 adj signature and( executable binary) and smart and hash | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S17<br>8 | 0       | S159 and binary and frimware   | USPAT                      | OR | ON | 2006/07/18 19:31 |
| S17<br>9 | 0       | token adj based with authenticat\$3 with binary and firmware   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S18<br>0 | 0       | token adj based with authenticat\$3 with binary  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S18<br>1 | 1       | token adj based with sign\$3 with binary   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S18<br>2 | 265530  | token adj based with authenticat\$3 ant binary   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S18<br>3 | 58      | token adj based with authenticat\$3 and binary   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S18<br>4 | 40      | token adj based with authenticat\$3 and binary and signature   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S18<br>5 | 4147722 | first signature with second adj signature  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S18<br>6 | 482     | first adj signature with second adj signature  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S18<br>7 | 108     | first adj signature with second adj signature and compar\$3 adj signature  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S18<br>8 | 1       | token adj based with sign\$3 with binary and firmware  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S18<br>9 | 1       | 10/044879 and Bender   | US-PGPUB                   | OR | ON | 2006/07/18 19:31 |
| S19<br>0 | 1       | token adj based with authenticat\$3 and binary and compar\$3 adj signature   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |

## EAST Search History

|          |     |   |                            |    |    |                  |
|----------|-----|---|----------------------------|----|----|------------------|
| S19<br>1 | 49  | ("6367009" "6393569" "6185678"<br>"5644354" "6084969" "5754659"<br>"6424718" "6880079" "6263437"<br>"6314521" "6385728" "4423287"<br>"5745576" "5761306" "6240187"<br>"4965827" "6892301" "5903721"<br>"6115817" "5805676" "5987103"<br>"6070154" "5805204" "6427161"<br>"6438600" "6317592" "4613901"<br>"6026166" "6026293" "6049796"<br>"6445797" "6711679" "5923756"<br>"6198824" "6154543" "6163841"<br>"6209093" "6189100" "6061791"<br>"6061791" "6098056" "6148405"<br>"5237614" "5506961" "5542046"<br>"5818936" "6028938" "6230272"<br>"6292895" "6643701").pn. | USPAT                      | OR | ON | 2006/07/18 19:31 |
| S19<br>2 | 13  | S159 and binary   | USPAT                      | OR | ON | 2006/07/18 19:31 |
| S19<br>3 | 8   | S159 and binary and firmware  | USPAT                      | OR | ON | 2006/07/18 19:31 |
| S19<br>4 | 40  | token adj based with authenticat\$3<br>and binary and smart   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S19<br>5 | 3   | first adj signature with second adj<br>signature with compar\$3 adj signature   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S19<br>6 | 3   | first adj signature with second adj<br>signature and compar\$3 adj signature<br>and( executable binary) and smart<br>and hash   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S19<br>7 | 149 | token adj based with authenticat\$3   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S19<br>8 | 49  | ("6367009" "6393569" "6185678"<br>"5644354" "6084969" "5754659"<br>"6424718" "6880079" "6263437"<br>"6314521" "6385728" "4423287"<br>"5745576" "5761306" "6240187"<br>"4965827" "6892301" "5903721"<br>"6115817" "5805676" "5987103"<br>"6070154" "5805204" "6427161"<br>"6438600" "6317592" "4613901"<br>"6026166" "6026293" "6049796"<br>"6445797" "6711679" "5923756"<br>"6198824" "6154543" "6163841"<br>"6209093" "6189100" "6061791"<br>"6061791" "6098056" "6148405"<br>"5237614" "5506961" "5542046"<br>"5818936" "6028938" "6230272"<br>"6292895" "6643701").pn. | USPAT                      | OR | ON | 2006/07/18 19:31 |



## EAST Search History

|          |     |   |                            |    |    |                  |
|----------|-----|---|----------------------------|----|----|------------------|
| S19<br>9 | 0   | S198 and binary and frimware  | USPAT                      | OR | ON | 2006/07/18 19:31 |
| S20<br>0 | 40  | token adj based with authenticat\$3<br>and binary and signature   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S20<br>1 | 49  | ("6367009" "6393569" "6185678"<br>"5644354" "6084969" "5754659"<br>"6424718" "6880079" "6263437"<br>"6314521" "6385728" "4423287"<br>"5745576" "5761306" "6240187"<br>"4965827" "6892301" "5903721"<br>"6115817" "5805676" "5987103"<br>"6070154" "5805204" "6427161"<br>"6438600" "6317592" "4613901"<br>"6026166" "6026293" "6049796"<br>"6445797" "6711679" "5923756"<br>"6198824" "6154543" "6163841"<br>"6209093" "6189100" "6061791"<br>"6061791" "6098056" "6148405"<br>"5237614" "5506961" "5542046"<br>"5818936" "6028938" "6230272"<br>"6292895" "6643701").pn. | USPAT                      | OR | ON | 2006/07/18 19:31 |
| S20<br>2 | 1   | token adj based with sign\$3 with<br>binary   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S20<br>3 | 0   | token adj based with authenticat\$3<br>with binary and firmware   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S20<br>4 | 1   | 10/044879 and Bender  | US-PGPUB                   | OR | ON | 2006/07/18 19:31 |
| S20<br>5 | 3   | first adj signature with second adj<br>signature with compar\$3 adj signature   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S20<br>6 | 482 | first adj signature with second adj<br>signature  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S20<br>7 | 108 | first adj signature with second adj<br>signature and compar\$3 adj signature  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S20<br>8 | 0   | S201 and binary and frimware  | USPAT                      | OR | ON | 2006/07/18 19:31 |
| S20<br>9 | 0   | token adj based with authenticat\$3<br>and binary near5 signature   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S21<br>0 | 108 | first adj signature with second adj<br>signature and compar\$3 adj signature  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S21<br>1 | 13  | S198 and binary   | USPAT                      | OR | ON | 2006/07/18 19:31 |

## EAST Search History

|          |         |   |                            |    |    |                  |
|----------|---------|---|----------------------------|----|----|------------------|
| S21<br>2 | 49      | ("6367009" "6393569" "6185678"<br>"5644354" "6084969" "5754659"<br>"6424718" "6880079" "6263437"<br>"6314521" "6385728" "4423287"<br>"5745576" "5761306" "6240187"<br>"4965827" "6892301" "5903721"<br>"6115817" "5805676" "5987103"<br>"6070154" "5805204" "6427161"<br>"6438600" "6317592" "4613901"<br>"6026166" "6026293" "6049796"<br>"6445797" "6711679" "5923756"<br>"6198824" "6154543" "6163841"<br>"6209093" "6189100" "6061791"<br>"6061791" "6098056" "6148405"<br>"5237614" "5506961" "5542046"<br>"5818936" "6028938" "6230272"<br>"6292895" "6643701").pn. | USPAT                      | OR | ON | 2006/07/18 19:31 |
| S21<br>3 | 8       | S198 and binary and firmware  | USPAT                      | OR | ON | 2006/07/18 19:31 |
| S21<br>4 | 4147722 | first signature with second adj<br>signature  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S21<br>5 | 482     | first adj signature with second adj<br>signature  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S21<br>6 | 40      | token adj based with authenticat\$3<br>and binary and smart   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S21<br>7 | 1       | token adj based with authenticat\$3<br>and binary and compar\$3 adj<br>signature  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S21<br>8 | 1       | token adj based with sign\$3 with<br>binary and firmware  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S21<br>9 | 1       | token adj based with authenticat\$3<br>and binary and compar\$3 adj<br>signature  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S22<br>0 | 0       | token adj based with authenticat\$3<br>and binary with signature  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S22<br>1 | 1       | 10/044879 and Bender  | US-PGPUB                   | OR | ON | 2006/07/18 19:31 |
| S22<br>2 | 40      | token adj based with authenticat\$3<br>and binary and smart   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S22<br>3 | 1       | token adj based with authenticat\$3<br>and binary and compar\$3 adj<br>signature  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |

## EAST Search History

|          |         |   |                            |    |    |                  |
|----------|---------|---|----------------------------|----|----|------------------|
| S22<br>4 | 4147722 | first signature with second adj<br>signature  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:31 |
| S22<br>5 | 1       | 10/044879 and Bender  | US-PGPUB                   | OR | ON | 2006/07/18 19:32 |
| S22<br>6 | 1       | token adj based with sign\$3 with<br>binary and firmware  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:32 |
| S22<br>7 | 40      | token adj based with authenticat\$3<br>and binary and signature   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:32 |
| S22<br>8 | 3       | first adj signature with second adj<br>signature with compar\$3 adj signature   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:32 |
| S22<br>9 | 58      | token adj based with authenticat\$3<br>and binary   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:32 |
| S23<br>0 | 265530  | token adj based with authenticat\$3<br>ant binary   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:32 |
| S23<br>1 | 1       | token adj based with sign\$3 with<br>binary   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:32 |
| S23<br>2 | 0       | token adj based with authenticat\$3<br>with binary  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:32 |
| S23<br>3 | 0       | token adj based with authenticat\$3<br>with binary and firmware   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:32 |
| S23<br>4 | 8       | S201 and binary and firmware  | USPAT                      | OR | ON | 2006/07/18 19:32 |
| S23<br>5 | 482     | first adj signature with second adj<br>signature  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:32 |
| S23<br>6 | 13      | S201 and binary   | USPAT                      | OR | ON | 2006/07/18 19:32 |
| S23<br>7 | 8       | S198 and binary and firmware  | USPAT                      | OR | ON | 2006/07/18 19:32 |
| S23<br>8 | 3       | first adj signature with second adj<br>signature with compar\$3 adj signature   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:32 |
| S23<br>9 | 3       | first adj signature with second adj<br>signature and compar\$3 adj signature<br>and( executable binary) and smart<br>and hash | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/18 19:32 |

## EAST Search History

|          |     |   |                                |    |    |                  |
|----------|-----|---|--------------------------------|----|----|------------------|
| S24<br>0 | 3   | first adj signature with second adj signature and compar\$3 adj signature and( executable binary) and smart and hash  | US-PGPUB;<br>USPAT;<br>EPO     | OR | ON | 2006/07/18 19:32 |
| S24<br>1 | 40  | token adj based with authenticat\$3 and binary and smart  | US-PGPUB;<br>USPAT;<br>EPO     | OR | ON | 2006/07/18 19:32 |
| S24<br>2 | 13  | S198 and binary   | USPAT                          | OR | ON | 2006/07/18 19:32 |
| S24<br>3 | 40  | token adj based with authenticat\$3 and binary and signature  | US-PGPUB;<br>USPAT;<br>EPO     | OR | ON | 2006/07/18 19:32 |
| S24<br>4 | 49  | ("6367009" "6393569" "6185678" "5644354" "6084969" "5754659" "6424718" "6880079" "6263437" "6314521" "6385728" "4423287" "5745576" "5761306" "6240187" "4965827" "6892301" "5903721" "6115817" "5805676" "5987103" "6070154" "5805204" "6427161" "6438600" "6317592" "4613901" "6026166" "6026293" "6049796" "6445797" "6711679" "5923756" "6198824" "6154543" "6163841" "6209093" "6189100" "6061791" "6061791" "6098056" "6148405" "5237614" "5506961" "5542046" "5818936" "6028938" "6230272" "6292895" "6643701").pn. | USPAT                          | OR | ON | 2006/07/18 19:32 |
| S24<br>5 | 3   | first adj signature with second adj signature and compar\$3 adj signature and( executable binary) and smart and hash  | US-PGPUB;<br>USPAT;<br>EPO     | OR | ON | 2006/07/18 19:32 |
| S24<br>6 | 3   | "20020152385"   | US-PGPUB;<br>USPAT;<br>DERWENT | OR | ON | 2006/07/18 19:32 |
| S24<br>7 | 3   | token adj based with authenticat\$3.ti.   | US-PGPUB;<br>USPAT;<br>EPO     | OR | ON | 2006/07/18 19:32 |
| S24<br>8 | 11  | token adj based with authenticat\$3 and (software binary) adj installation  | US-PGPUB;<br>USPAT;<br>EPO     | OR | ON | 2006/07/18 19:32 |
| S24<br>9 | 0   | S198 and binary and frimware  | USPAT                          | OR | ON | 2006/07/18 19:32 |
| S25<br>0 | 108 | first adj signature with second adj signature and compar\$3 adj signature   | US-PGPUB;<br>USPAT;<br>EPO     | OR | ON | 2006/07/18 19:32 |

## EAST Search History

|          |         |   |                              |    |    |                  |
|----------|---------|---|------------------------------|----|----|------------------|
| S25<br>1 | 0       | token adj based with authenticat\$3<br>with binary              | US-PGPUB;<br>USPAT;<br>EPO   | OR | ON | 2006/07/18 19:32 |
| S25<br>2 | 58      | token adj based with authenticat\$3<br>and binary               | US-PGPUB;<br>USPAT;<br>EPO   | OR | ON | 2006/07/18 19:32 |
| S25<br>3 | 265530  | token adj based with authenticat\$3<br>ant binary               | US-PGPUB;<br>USPAT;<br>EPO   | OR | ON | 2006/07/18 19:32 |
| S25<br>4 | 1       | token adj based with sign\$3 with<br>binary                     | US-PGPUB;<br>USPAT;<br>EPO   | OR | ON | 2006/07/18 19:32 |
| S25<br>5 | 1       | token adj based with sign\$3 with<br>binary and firmware        | US-PGPUB;<br>USPAT;<br>EPO   | OR | ON | 2006/07/18 19:32 |
| S25<br>6 | 4147722 | first signature with second adj<br>signature                    | US-PGPUB;<br>USPAT;<br>EPO   | OR | ON | 2006/07/18 19:32 |
| S25<br>7 | 40      | token adj based with authenticat\$3<br>and binary and signature | US-PGPUB;<br>USPAT;<br>EPO   | OR | ON | 2006/07/18 19:32 |
| S25<br>8 | 58      | token adj based with authenticat\$3<br>and binary               | US-PGPUB;<br>USPAT;<br>EPO   | OR | ON | 2006/07/18 19:32 |
| S25<br>9 | 265530  | token adj based with authenticat\$3<br>ant binary               | US-PGPUB;<br>USPAT;<br>EPO   | OR | ON | 2006/07/18 19:32 |
| S26<br>0 | 1       | token adj based with sign\$3 with<br>binary                     | US-PGPUB;<br>USPAT;<br>EPO   | OR | ON | 2006/07/18 19:32 |
| S26<br>1 | 0       | token adj based with authenticat\$3<br>with binary              | US-PGPUB;<br>USPAT;<br>EPO   | OR | ON | 2006/07/18 19:32 |
| S26<br>2 | 0       | token adj based with authenticat\$3<br>with binary and firmware | US-PGPUB;<br>USPAT;<br>EPO   | OR | ON | 2006/07/18 19:32 |
| S26<br>3 | 1       | token adj based with sign\$3 with<br>binary                     | US-PGPUB;<br>USPAT;<br>EPO   | OR | ON | 2006/07/18 19:34 |
| S26<br>4 | 21      | peart.in.   | US-PGPUB                     | OR | ON | 2006/07/18 20:11 |
| S26<br>5 | 1       | peart.in. and richtberg   | US-PGPUB                     | OR | ON | 2006/07/18 20:11 |
| S26<br>6 | 3       | peart.in. and richtberg   | US-PGPUB;<br>EPO;<br>DERWENT | OR | ON | 2006/07/18 20:11 |

## EAST Search History

|          |     |   |                            |    |    |                  |
|----------|-----|---|----------------------------|----|----|------------------|
| S26<br>7 | 55  | token adj based with authenticat\$3<br>and smart adj card and signature   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/19 20:48 |
| S26<br>8 | 5   | token adj based with authenticat\$3<br>and smart adj card and signature and<br>firmware   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/19 19:31 |
| S26<br>9 | 20  | token adj based with authenticat\$3<br>and firmware   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/19 19:31 |
| S27<br>0 | 47  | token adj based with authenticat\$3<br>and smart adj card and signature and<br>(binary executable driver)                             | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/19 19:42 |
| S27<br>1 | 30  | token adj based with authenticat\$3<br>and smart adj card and signature and<br>(binary executable driver) and<br>download\$3          | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/12/05 14:19 |
| S27<br>2 | 0   | download\$3 adj (software driver<br>firmware) with token adj based with<br>authenticat\$3 and smart adj card and<br>signature         | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/19 19:55 |
| S27<br>3 | 2   | download\$3 adj (software driver<br>firmware) with token with<br>authenticat\$3 and smart adj card and<br>signature                   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/19 19:56 |
| S27<br>4 | 141 | download\$3 adj (software driver<br>firmware) and token and<br>authenticat\$3 and smart adj card and<br>signature                     | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/19 19:57 |
| S27<br>5 | 20  | authenticat\$3 with download\$3 adj<br>(software driver firmware) and token<br>and authenticat\$3 and smart adj card<br>and signature | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/19 20:41 |
| S27<br>6 | 25  | authenticat\$3 with download\$3 adj<br>(software driver firmware) and smart<br>adj card and signature                                 | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/19 20:08 |
| S27<br>7 | 0   | S275 not S276   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/19 20:09 |
| S27<br>8 | 5   | S276 not S275   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/19 20:09 |
| S27<br>9 | 25  | authenticat\$3 with download\$3 adj<br>(software driver firmware) and smart<br>adj card and signature                                 | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/19 20:52 |
| S28<br>0 | 18  | authenticat\$3 near5 download\$3 adj<br>(software driver firmware) and smart<br>adj card  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/07/19 20:43 |

## EAST Search History

|          |         |  |                              |    |    |                  |
|----------|---------|--|------------------------------|----|----|------------------|
| S28<br>1 | 0       | ("6931381").URPN.  | USPAT                        | OR | ON | 2006/07/19 20:46 |
| S28<br>2 | 19      | ("4882474"   "5444861"   "5694546"  <br>"5912958"   "5923884"   "5999740"  <br>"6058478"   "6105008"   "6164549"  <br>"6173401"   "6219788"   "6256668"  <br>"6317832"   "6328217"   "6347398"  <br>"6349408"   "6390374"   "6488211"  <br>"6496979").PN. OR ("6931381").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/07/19 20:48 |
| S28<br>3 | 7424509 | "1"  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/07/19 20:48 |
| S28<br>4 | 6       | S282 and smart adj card and signature  | US-PGPUB;<br>USPAT;<br>EPO   | OR | ON | 2006/07/19 20:48 |
| S28<br>5 | 44      | ("5923884").URPN.  | USPAT                        | OR | ON | 2006/07/19 20:51 |
| S28<br>6 | 1       | S285 and authenticat\$3 with<br>download\$3 adj (software driver<br>firmware) and smart adj card and<br>signature  | US-PGPUB;<br>USPAT;<br>EPO   | OR | ON | 2006/07/19 20:52 |
| S28<br>7 | 28      | (Bender NEAR Michael Stoltz NEAR<br>Benjamin).IN.  | USPAT                        | OR | ON | 2006/12/04 12:06 |
| S28<br>8 | 0       | ("2003/0079045").URPN.   | USPAT                        | OR | ON | 2006/12/04 12:06 |
| S28<br>9 | 0       | S287 AND (FIRST ADJ SIGNATURE<br>AND SECOND ADJ SIGNATURE).CLM.  | USPAT                        | OR | ON | 2006/12/04 12:07 |
| S29<br>0 | 0       | S287 AND (FIRST ADJ SIGNATURE<br>AND SECOND ADJ SIGNATURE)   | USPAT                        | OR | ON | 2006/12/04 12:07 |
| S29<br>1 | 2       | S287 AND (SIGNATURE)   | USPAT                        | OR | ON | 2006/12/04 12:08 |
| S29<br>2 | 0       | (binary executable driver software)<br>and (token near5 authenticat\$3) and<br>smart adj card and (first adj signature)<br>and (second adj signature) and<br>download\$3   | US-PGPUB;<br>USPAT;<br>EPO   | OR | ON | 2006/12/05 17:45 |
| S29<br>3 | 47      | (binary executable driver software)and<br>smart adj card and (first adj signature)<br>and (second adj signature)   | US-PGPUB;<br>USPAT;<br>EPO   | OR | ON | 2006/12/05 14:23 |
| S29<br>4 | 18      | (binary executable driver software)and<br>smart adj card and (first adj signature)<br>and (second adj signature) and<br>download\$3  | US-PGPUB;<br>USPAT;<br>EPO   | OR | ON | 2006/12/05 14:23 |
| S29<br>5 | 14      | ("RE36310").URPN.  | USPAT                        | OR | ON | 2006/12/05 14:40 |

## EAST Search History

|          |    |  |                              |    |    |                  |
|----------|----|--|------------------------------|----|----|------------------|
| S29<br>6 | 4  | (binary executable driver software) with download\$3 and smart adj card and (first adj signature) and (second adj signature)   | US-PGPUB;<br>USPAT;<br>EPO   | OR | ON | 2006/12/05 15:01 |
| S29<br>7 | 0  | ("2003/0079045").URPN.   | USPAT                        | OR | ON | 2006/12/05 14:51 |
| S29<br>8 | 47 | (binary executable driver software) and smart adj card and (first adj signature) and (second adj signature)  | US-PGPUB;<br>USPAT;<br>EPO   | OR | ON | 2006/12/05 15:02 |
| S29<br>9 | 45 | ("5297189").URPN.  | USPAT                        | OR | ON | 2006/12/05 15:16 |
| S30<br>0 | 0  | (binary executable driver software) near5 download\$3 with (compar\$3 near5 (first adj signature) and (second adj signature) )   | US-PGPUB;<br>USPAT;<br>EPO   | OR | ON | 2006/12/05 17:54 |
| S30<br>1 | 6  | (binary executable driver software) near5 download\$3 and (compar\$3 near5 (first adj signature) and (second adj signature))   | US-PGPUB;<br>USPAT;<br>EPO   | OR | ON | 2006/12/05 20:48 |
| S30<br>2 | 5  | ("6707915").URPN.  | USPAT                        | OR | ON | 2006/12/05 17:50 |
| S30<br>3 | 2  | (binary executable driver software program image data audio video) near5 download\$3 with (compar\$3 near5 (first adj signature) and (second adj signature) )  | US-PGPUB;<br>USPAT;<br>EPO   | OR | ON | 2006/12/05 17:55 |
| S30<br>4 | 11 | (binary executable driver software program image data audio video) near5 download\$3 and (compar\$3 near5 (first adj signature) and (second adj signature))  | US-PGPUB;<br>USPAT;<br>EPO   | OR | ON | 2006/12/05 18:26 |
| S30<br>5 | 5  | S304 not S301  | US-PGPUB;<br>USPAT;<br>EPO   | OR | ON | 2006/12/05 18:28 |
| S30<br>6 | 13 | ("20030051053"   "20030051203"   "20030145120"   "20030208283"   "20040103296"   "20040153171"   "20050066320"   "20050103767"   "5713643"   "6161051"   "6305009"   "6631476"   "6901298").PN. OR ("7027880").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/12/05 17:59 |
| S30<br>7 | 12 | (binary executable driver software program image data audio video) near5 download\$3 and (compar\$3 near5 (first adj (signature certificate token)) and (second adj (signature certificate token)))                  | US-PGPUB;<br>USPAT;<br>EPO   | OR | ON | 2006/12/05 18:27 |



## EAST Search History

|          |   |               |                            |    |    |                  |
|----------|---|---------------|----------------------------|----|----|------------------|
| S30<br>8 | 1 | S307 not S304 | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2006/12/05 18:28 |
|----------|---|---------------|----------------------------|----|----|------------------|